

# Jacques Flouquet

## List of Publications by Year in descending order

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45  
papers

3,227  
citations

218677

26  
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243625

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45  
all docs

45  
docs citations

45  
times ranked

1852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unconventional superconductivity in $UTe_2$ . Journal of Physics Condensed Matter, 2022, 34, 243002.	1.8	61
2	Magnetovolume Effect on the First-Order Metamagnetic Transition in $UTe_2$ . Journal of the Physical Society of Japan, 2022, 91, .	1.6	10
3	First Observation of the de Haas-van Alphen Effect and Fermi Surfaces in the Unconventional Superconductor $UTe_2$ . Journal of the Physical Society of Japan, 2022, 91, .	1.6	29
4	Field-Induced Superconductivity near the Superconducting Critical Pressure in $UTe_2$ . Journal of the Physical Society of Japan, 2021, 90, 074705.	1.6	18
5	Enhancement and Discontinuity of Effective Mass through the First-Order Metamagnetic Transition in $UTe_2$ . Journal of the Physical Society of Japan, 2021, 90, 103702.	1.6	15
6	Anisotropy of the Upper Critical Field in the Heavy-Fermion Superconductor $UTe_2$ under Pressure. Journal of the Physical Society of Japan, 2020, 89, 053707.	1.6	32
7	Electronic Nematicity in $URu_2Si_2$ Revisited. Physical Review Letters, 2020, 124, 257601.	7.8	78
8	Multiple Superconducting Phases and Unusual Enhancement of the Upper Critical Field in $UTe_2$ . Journal of the Physical Society of Japan, 2020, 89, 053705.	1.6	70
9	Field-Reentrant Superconductivity Close to a Metamagnetic Transition in the Heavy-Fermion Superconductor $UTe_2$ . Journal of the Physical Society of Japan, 2019, 88, 063707.	1.6	111
10	Thermodynamic Investigation of Metamagnetism in Pulsed High Magnetic Fields on Heavy Fermion Superconductor $UTe_2$ . Journal of the Physical Society of Japan, 2019, 88, 083705.	1.6	35
11	Magnetic-Field-Induced Phenomena in the Paramagnetic Superconductor $UTe_2$ . Journal of the Physical Society of Japan, 2019, 88, 063705.	1.6	46
12	Metamagnetic Transition in Heavy Fermion Superconductor $UTe_2$ . Journal of the Physical Society of Japan, 2019, 88, 063706.	1.6	80
13	Unconventional Superconductivity in Heavy Fermion $UTe_2$ . Journal of the Physical Society of Japan, 2019, 88, 043702.	1.6	173
14	Review of U-based Ferromagnetic Superconductors: Comparison between $UGe_2$ , $URhGe$ , and $UCoGe$ . Journal of the Physical Society of Japan, 2019, 88, 022001.	1.6	160
15	Dimensionality Driven Enhancement of Ferromagnetic Superconductivity in $URhGe$ . Physical Review Letters, 2018, 120, 037001.	7.8	26
16	Lifshitz Transitions in the Ferromagnetic Superconductor $UCoGe$ . Physical Review Letters, 2016, 117, 206401.	7.8	26
17	Magnetic phase diagram of $UCoAl$ . Journal of the Korean Physical Society, 2013, 63, 575-578.	0.7	5
18	Pressure evolution of the metamagnetic transition in $UCoAl$ As measured using $^{59}Co$ NMR. Journal of the Korean Physical Society, 2013, 63, 341-344.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Understanding of the Temperature-Pressure Phase Diagram of $\hat{I}^2$ -Pyrochlore Oxides: A Role of Anharmonicity on Superconductivity. Journal of the Physical Society of Japan, 2013, 82, 114708.	1.6	6
20	Ferromagnetic Quantum Criticality Studied by Hall Effect Measurements in UCoAl. Journal of the Physical Society of Japan, 2013, 82, 104705.	1.6	12
21	Ferromagnetism and Superconductivity in Uranium Compounds. Journal of the Physical Society of Japan, 2012, 81, 011003.	1.6	155
22	Details of Sample Dependence and Transport Properties of URu <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 2011, 80, 114710.	1.6	46
23	Evolution toward Quantum Critical End Point in UGe <sub>2</sub> . Journal of the Physical Society of Japan, 2011, 80, 083703.	1.6	73
24	Superconductivity Reinforced by Magnetic Field and the Magnetic Instability in Uranium Ferromagnets. Journal of the Physical Society of Japan, 2011, 80, SA008.	1.6	40
25	Ferromagnetic Quantum Critical Endpoint in UCoAl. Journal of the Physical Society of Japan, 2011, 80, 094711.	1.6	89
26	Quantum criticality of Ce <sub>1-x</sub> La <sub>x</sub> Ru <sub>2</sub> Si <sub>2</sub> : The magnetically ordered phase. Physica Status Solidi (B): Basic Research, 2010, 247, 700-702.	1.5	3
27	Competition and/or coexistence of antiferromagnetism and superconductivity in CeRhIn <sub>5</sub> and CeCoIn <sub>5</sub> . Physica Status Solidi (B): Basic Research, 2010, 247, 557-562.	1.5	24
28	Evolution of the Spin Resonance in CeCoIn <sub>5</sub> under Magnetic Field. Journal of the Physical Society of Japan, 2009, 78, 113706.	1.6	25
29	Pressure Evolution of the Ferromagnetic and Field Re-entrant Superconductivity in URhGe. Journal of the Physical Society of Japan, 2009, 78, 063703.	1.6	36
30	Magnetic-field induced quantum critical points of valence transition in Ce- and Yb-based heavy fermions. Physica B: Condensed Matter, 2009, 404, 2942-2945.	2.7	1
31	Valence Fluctuations Revealed by Magnetic Field and Pressure Scans: Comparison with Experiments in YbXCu <sub>4</sub> (X=In, Ag, Cd) and CeYIn <sub>5</sub> (Y=Ir, Rh). Journal of the Physical Society of Japan, 2009, 78, 104706.	1.6	48
32	Extremely Large and Anisotropic Upper Critical Field and the Ferromagnetic Instability in UCoGe. Journal of the Physical Society of Japan, 2009, 78, 113709.	1.6	136
33	The Quantum Critical Point in CeRhIn <sub>5</sub> : A Resistivity Study. Journal of the Physical Society of Japan, 2008, 77, 114704.	1.6	104
34	Magnetic-Field Control of Quantum Critical Points of Valence Transition. Physical Review Letters, 2008, 100, 236401.	7.8	62
35	Field Re-entrant Superconductivity Induced by the Enhancement of Effective Mass in URhGe. Journal of the Physical Society of Japan, 2008, 77, 094709.	1.6	64
36	On the local and itinerant properties of the ESR in YbRh <sub>2</sub> Si <sub>2</sub> . Science and Technology of Advanced Materials, 2007, 8, 389-392.	6.1	21

#	ARTICLE	IF	CITATIONS
37	On the thermoelectricity of correlated electrons in the zero-temperature limit. Journal of Physics Condensed Matter, 2004, 16, 5187-5198.	1.8	260
38	The co-existence of superconductivity and ferromagnetism in actinide compounds. Journal of Physics Condensed Matter, 2003, 15, S1945-S1955.	1.8	28
39	Coexistence of superconductivity and ferromagnetism in URhGe. Nature, 2001, 413, 613-616.	27.8	884
40	Heavy fermion superconductivity. Physica B: Condensed Matter, 2000, 280, 165-171.	2.7	20
41	Realignment of the flux-line lattice by a change in the symmetry of superconductivity in UPt3. Nature, 2000, 406, 160-164.	27.8	71
42	Longitudinal detection of pulsed low-frequency, low-temperature nuclear magnetic resonance using a dc SQUID. Review of Scientific Instruments, 1998, 69, 1456-1462.	1.3	2
43	Application of the SCR Spin Fluctuation Theory for the Magnetic Instability in Heavy Fermion System Ce <sub>1-x</sub> La <sub>x</sub> Ru <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 1996, 65, 3294-3300.	1.6	90
44	Magnetic and volume properties in CeRu <sub>2</sub> Si <sub>2</sub> with low Ge doping. European Physical Journal D, 1996, 46, 2073-2074.	0.4	1
45	Magnetic Properties and Neutron Diffraction Measurements of Dense-Kondo Compound CeNi <sub>2</sub> Al <sub>5</sub> . Journal of the Physical Society of Japan, 1994, 63, 2349-2358.	1.6	19